

# **The Relationship Among Personal Epistemology Belief, Creative Personality and Creative Life Experience of High School Student in Taiwan**

## *Abstract:*

This study is to explore the relationship among personal epistemology belief, creative personality and creative life experience. Three scales were used to measure those constructs, “Personal Epistemology Scale for High School Student”, “Creative Personality Scale”, and “Creative Life Experience Scale”. There are 803 high school students from north, middle and south areas of Taiwan participated in this survey.

The descriptive statistic, Cronbach’s  $\alpha$  coefficient analysis, explorative factor analysis, confirmative factor analysis, Pearson’s correlation analysis, independent student test, multiple regression analysis and classical correlation analysis were used to analysis data. The main findings of this study were:

1. The personal epistemology belief of second grade high school students were naiver than first grades students, and with less creative personality.
2. The one who tends to hold naïve personal epistemology belief, may obey tradition less, and with less witty and braveness.
3. The one who tends to have naïve personal epistemology belief, would have less creative experience.
4. The one with more creative personality, the more creative life experiences he or she has.
5. The less differentiation of personal epistemology belief, the less creative personality and creative life experience one has.

Based on the findings, the following were suggested for teaching and future research:

For teaching:

1. Learning by “knowing, reflection, action and practice”
2. Using cross-areas and discussion instruction.
3. Strengthen students’ positive thinking for learning.

For future research:

1. To investigate the domain specific of personal epistemology belief thinking.
2. Conduct the relation between personal epistemology belief and creativity by experimental method.
3. To explore the relations of high school students’ entity intelligence belief and learning motivation.

**Key words:** personal epistemology belief, creative personality, creative life experience, high school students